Ikegami

Field Recorder
for High-quality HDTV production

HDE-X11

Editcam Station HD
High Definition

What makes the difference between HDTV and SDTV? The answer is resolution, like seeing the scene with your own eyes. If you want to capture the full resolution of HDTV, **Editcam Station HD** could be the solution.

True HD recording

Most HDTV recording formats, especially for field use, don't record full raster, 4:2:2 color sampling even though the camera head generates a true HD image. As a result, the recorded footage quality is down-graded from original, just after origination.

Inter-frame compression causes another degradation when editing, as well as, when applying effects. It requires to another compression stage (first uncompressed later recompress) because it needs to re-construct from the group of pictures(GOP). Avid DNxHD is true HD mastering quality, full raster, 4:2:2, intra-frame compression. The following chart compares DNxHD to several other formats.

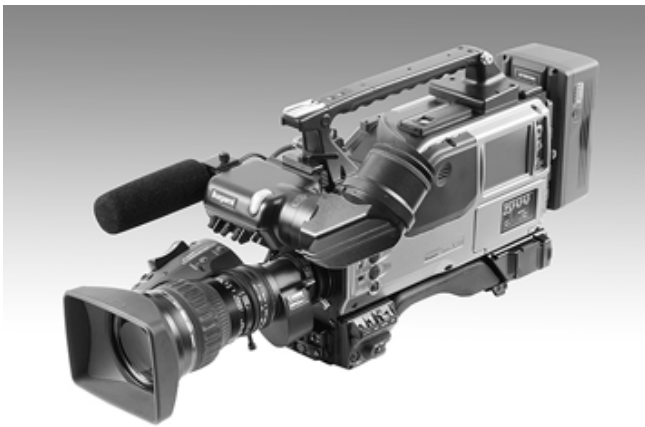|	DNxHD	H	X	D
Y pixels	**1920**	1440	1440	1280
Pb, Pr	**960**	480	720	720
Color sampling	**4:2:2**	3:1:1	4:2:0	4:2:2
Intra-frame compression	**yes**	yes	no	Yes

In house or In the field

In an HDTV studio, the HDE-X11 can record HD signals from the switcher. Editor can edit with the FieldPak immediately after ejecting from the HDE-X11 without digitizing, copying or transcoding files. The HDE-X11 will streamline your HDTV production workflow. Also, if you use multi-camera editing, it is ideal to have one HDE-X11 to record all camera HD signals simultaneous for each camera.

The HDE-X11 is not only for in house production, but also for use in the field. It can operate with DC power supply as well as AC, and expands the true HDTV production field. When you need high-quality HDTV acquisition in the field, but your high-def camcorder records lower quality, just connect HD-SDI out from your camcorder to HDE-X11, you have the power of true HD acquisition.

■Specifications

Video System	1080/59.94i, 50i 1080/29.97psF, 25psF, 23.98psF 720/59.94p, 50p
Codec	Avid DNxHD 145 Mbps
Resolutions	1080i/p:1920(H)x1080(V) 720p:1280(H)x720(V)
Color Sampling	4:2:2
File wrapper	MXF, OP-Atom
Input	
HD-SDI	1 x BNC, SMPTE 292M with embedded 4ch of audio, TC
AES/EBU	2 x XLR 3pin, 4ch, 16bits, 48kHz
Genlock	1 x BNC, BB or Tri-level sync
LTC	1 x XLR, SMPTE 12
Output	
HD-SDI	1 x BNC, SMPTE 292M with embedded 4ch of audio, TC
AES/EBU	2 x XLR 3pin, 4ch, 16bits, 48kHz
PVW	1 x BNC, 1.0V pp, Composite Video Downconversion output 23.98, 29.97, 59.94: NTSC or NTSC-J 25, 50: PAL
Genlock	1 x BNC, Loop through
LTC	1 x XLR, SMPTE 12
Digital I/O	
RS-232C	Console
RS-422A	Slave Deck Control *Edit commands are not supported
Ethernet	RJ45, IEEE 802.3
Power	
AC Input	100~220 VAC @50/60Hz IEC Input Connector
DC Input	11~17 VDC XLR 4pin DC Connector
Weight	/4.5kg
Dimensions	W222 x H175 x D377 mm

The HDE-X11 is a companion product to Editcam HD, the HDN-X10, Ikegami's multi-format HD camcorder using the same full resolution DNxHD codec and same removable tapeless media.

Design and Specifications are subject to change without notice.